K

| pth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| | | |

"First and final" "Remeasurements"

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259274

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Name of the work :- Improvements to roads and drains at Ramanna garden ward no 10 (Doddabommasandra), Vidyaranpura sub division. | | | | | | |
| | Estimated cost :- 20.00 Lacs Rs | | Head of Account :- P1771 | | | | |
| | Job code :- 010-18-000034 | | Indent No :- 29465. | | | | |
| | Work order no :- BBMP/EE/BTP/WO/133/2018-19. Dated :- 25/09/2018. | | | | | | |
| | Name of the Agency :- Sri. A. Puttaraju., #48/5, Pipeline 'B'-road Bahubalinagara, Jalahalli, Bangalore-560013. | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 12.1.10 | (1) Earthwork excavation by manual means in ordinary soil in roads by an average horizontal throw upto 2m then and an average lift upto 0.50m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after dressing of slope etc, complete as per specifications and directions in 3rd Cross, 1st main, Nanjappa Layout :- | | | | | | |
| | | 1x | 30x | 1.00x | 0.90 = | 27.00m3 | |
| | | 1x | 30x | 1.00x | 0.9 = | 27.00m3 | |
| | | 1x | 30x | 1.00x | 0.9 = | 27.00m3 | |
| | | 1x | 30x | 1.00x | 0.9 = | 27.00m3 | |
| | | 1x | 12x | 1.00x | 0.9 = | 10.80m3 | |
| | | 1x | 18x | 1.00x | 0.9 = | 16.20m3 | |
| | 1st Main Ramanna Garden :- | 1x | 30x | 0.6x | 0.45 = | 8.10m3 | |
| | | 1x | 30x | 0.6x | 0.45 = | 8.10m3 | |
| | | 1x | 30x | 0.6x | 0.45 = | 8.10m3 | |
| | | 1x | 30x | 0.6x | 0.45 = | 8.10m3 | |
| | | 1x | 30x | 0.6x | 0.45 = | 8.10m3 | |
| | 1st Cross K N V. | 1x | 30x | 0.6x | 0.45 = | 8.10m3 | |

2592

Serial No. .....
Name of Work
Name of Cont
Date of comm

| Date | Fu |
|---|---|
| 1 | |

OOK

| Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| h mm | by an average horizontal | |
| urface | levelled and sides neatly | |
| alcing | & clode etc, complete | |
| 50 = | 27.00m3 | |
| 9 = | 27.00m3 | |
| .9 = | 27.00m3 | |
| .9 = | 27.00m3 | |
| .9 = | 10.80m3 | |
| .9 = | 16.20m3 | |
| 0.45 = | 8.10m3 | |
| .45 = | 8.10m3 | |
| .45 = | 8.10m3 | |
| 45 = | 8.10m3 | |
| 45 = | 8.10m3 | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259275

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | 1 × 30 | × 0.6 × | 0.45 | = 8.10 m3 | | |
| | | 1 × 4 | × 0.6 × | 0.45 | = 1.08 m3. | | |
| | KNV Road Rs 3 - | 1 × 30 | × 0.6 × | 0.45 | = 8.10 m3 | | |
| | | 1 × 30 | × 0.6 × | 0.45 | = 8.10 m3 | | |
| | | 1 × 22.6 | × 0.6 × | 0.45 | = 6.10 m3. | | |
| | KNV Road Ls 3 - | 1 × 30 | × 0.6 × | 0.45 | = 8.10 m3 | | |
| | | 1 × 30 | × 0.6 × | 0.45 | = 8.10 m3 | | |
| | | 1 × 30 | × 0.6 × | 0.45 | = 8.10 m3 | | |
| | | 1 × 11.6 | × 0.6 × | 0.45 | = 3.13 m3 | | |
| | | Net Quantity | | | = 234.41 m3 | limited to = 232.20 m3 | |

# MEASUREMENT BOOK

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | (2) Providing and laying in position Plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregate @ 0.85cum and fine aggregate @ 0.57cum, machine mixed concrete laid in layers not exceeding 15cms thick, well compacted in foundation and plinth including cost of all materials labour, tools & machinery, curing etc., complete as per specifications and directions 3rd cross, 1st main, Nanjappa Layout | 1× | 30× | 1.00× | 0.15 = | 4.50m³ | |
| | | 1× | 30× | 1.00× | 0.15 = | 4.50m³ | |
| | | 1× | 30× | 1.00× | 0.15 = | 4.50m³ | |
| | | 1× | 30× | 1.00× | 0.15 = | 4.50m³ | |
| | | 1× | 12× | 1.00× | 0.15 = | 1.80m³ | |
| | | 1× | 18× | 1.00× | 0.15 = | 2.70m³ | |
| | | | Net Quantity | | | = 22.50m³ | |
| | (4) Providing T.M.T. steel reinforcement for R.C.C work including straightening cutting, bending, hooking, placing in position, supply and fore welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary, | | | | | | |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

5/10/2018

2542 16/10

Serial No. .....
Name of Work .....
Name of Contractor
Date of commence

| Date 1 | Full des |
|---|---|
| | Complete as materials, |

ENT BOOK

| Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|
| gth | Breadth 5 | Depth 6 | 7 | 8 |
| nent concrete of graded granite machine mixed cted by foundations and plinth including ers, curing etc., complete as per specifications, | mix 1:4:8 with OPC Metal Coarse aggregate (grade) fine | | | |
| x | 1.00 x | 0.15 = | 4.50 m3 | |
| x | 1.00 x | 0.15 = | 4.50 m3 | |
| x | 1.00 x | 0.15 = | 4.50 m3 | |
| x | 1.00 x | 0.15 = | 4.50 m3 | |
| 0 x | 1.00 x | 0.15 = | 1.80 m3 | |
| 2 x | 1.00 x | 0.15 = | 2.70 m3 | |
| 8 x | 1.00 x | 0.15 = | 2.70 m3 | |
| et Quality | | = | 22.50 m3 | |
| work including straightening cutting, and/or welding wherever required, e adjoining members wherever necessary, | | | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259276

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Complete as per design (lapes, hooks and wastage shall not be measured and paid) cost of materials, labour, hire of machinery etc., complete as per specification. | | | | | | |
| | distribution rods } - | 12 x | 150 x | 0.8878 | = 1598 kg | | |
| | main rods } - | 1000 x | 1.8 x | 0.616 | = 1108.8 kg | | |
| | main rods } - rising | 1000 x | 0.9 x | 0.616 | = 554.4 kg | | |
| | distribution rods | 6 x | 150 x | 0.8878 | = 799.02 kg | | |
| | | | | | = 4060.22 kg | | |
| | | | | | 4.06 Tonnes | | |
| | | | | | i.e | | |
| | | | | | 10/10/2015 | | |

Executive Engineer
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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| Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| | | |

"First and final"

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259277

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | Name of the work :- Improvements to roads and drains at Ramanna garden in ward No-10, (Doddabommasandra), Vidyaranpura sub division. | | | | | | |
| | Estimated cost :- Rs 20.00 Lackh. | | | | | | |
| | Job code :- 010-18-000034 Indent No:- 29465 | | | | | | |
| | Head of Account :- P1771 | | | | | | |
| | Work order Number :- BBMP/EE/BTP/WO/133/2018-19. Dated:- 25/09/2018. | | | | | | |
| | Name of the Agency :- Sri. A. Puttaraju., #48/5, Pipeline 'B' cross, Bahabullnagara, Jalahalli, Bangalore-560013. | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | (1) Earthwork Excavation by manual means in ordinary soil including an average lift upto 0.50 m, Excavated soil thrown upto 2 meters and an average lift upto 0.50 m, Excavated surface levelled and soil neatly dressed, the disposed earth to be levelled neatly after breaking clods, etc, complete as per specifications and directions as measurement and Quality are same as that of Item No. 1 vide MB No-2593/ Page no-259274 to 259275 | | | | | 232.20 M3 @ Rs. 185.12 Rs 42985=00 | |
| | (2) providing and laying in position Plain cement concrete of mix 1:4:8 with OPC cement @ 180 Kgs with 40mm and down size graded granite metal coarse aggregate @ 0.85 cum and fine aggregate @ 0.57 cum, machine mixed concrete laid in layers in not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, Hire of machineries, curing etc., complete as per specifications and directions of incharge of the work. As per measurement vide of MB No-2593 of Page No-259275 | | | | | 22.50 M3 @ Rs. 5096.14 Rs 114663=00 | |
| | (3) providing and laying cement concrete using 20mm and down size granite, jelly (a) | | | | | | |

Serial No. .....
Name of Work .....
Name of Contractor of
Date of commencemen

| Date | Full descrip |
|---|---|
| 1 | 2 |
| | ready mixed compacted in Wh and scaffoldings complete (Exclu M-20 (1:1.5:3) for as per specifications Drain Bottom 3rd coat, 1st to as |
| | Sid |

OOK

| | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|
| | | nishing an average horizontal (avated surface levelled and side after breaking clody, etc, complete | |
| | | 232.20 M3 | |
| | 5.12 | Rs 42985=00 | |
| | | ncrete of mix 1:4:8 with OPC anite metal (coarse aggregates mixed concrete laid in layers in om and plinth, including cost of all mplete as per specifications and | |
| | | 22.50 m3 | |
| | 096.14 | Rs 114663=00 | |
| | | nd down size granite, Jelly (00) | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259278

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Ready mixed concrete (RMC) for R.C.C. works laid in 15 cms thick layers and well compacted in vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete with all leads and lifts etc, complete (Exclusive of cost of steel and fabrication charges) Ready mixed cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary Beams etc, completed as per specifications and direction of the incharge of the work. | | | | | | |
| | Drain Bottom concrete - | 1 | 30 | 0.90 | 0.15 | = 4.05 m3 | |
| | 3rd crain, 1st on axis, navigation lapel | 1 | 30 | 0.9 | 0.15 | = 4.05 m3 | |
| | | 1 | 30 | 0.9 | 0.15 | = 4.05 m3 | |
| | CFC | 1 | 30 | 0.9 | 0.15 | = 4.05 m3 | |
| | 19/12 | 1 | 12 | 0.9 | 0.15 | = 1.62 m3 | |
| | | 1 | 18 | 0.9 | 0.15 | = 2.43 m3 | |
| | Side wall } - | 2 | 30 | 0.15 | 0.50 | = 4.50 m3 | |

24.75

# MEASUREMENT BOOK

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | | | | | 24.75 | |
| | | 2 × | 30 × | 0.15 × | 0.50 = | 4.50 m³ | |
| | | 2 × | 30 × | 0.15 × | 0.6 = | 5.40 m³ | |
| | | 2 × | 30 × | 0.15 × | 0.6 = | 5.40 m³ | |
| | | 2 × | 12 × | 0.15 × | 0.6 = | 2.16 m³ | |
| | | 2 × | 18 × | 0.15 × | 0.55 = | 2.97 m³ | |
| | | 2 × | 30 × | 0.15 × | 0.20 = | 1.80 m³ | |
| | Raising of drain – 1st main Ramanna garden | 2 × | 30 × | 0.15 × | 0.25 = | 2.25 m³ | |
| | | 2 × | 30 × | 0.15 × | 0.25 = | 2.25 m³ | |
| | | 2 × | 30 × | 0.15 × | 0.20 = | 1.80 m³ | |
| | | 2 × | 30 × | 0.15 × | 0.20 = | 1.80 m³ | |
| | 1st stage KNV – | 2 × | 30 × | 0.15 × | 0.15 = | 1.35 m³ | |
| | | 2 × | 30 × | 0.15 × | 0.20 = | 0.24 m³ | |
| | | 2 × | 4 × | 0.15 × | 0.20 = | 2.25 m³ | |
| | | 2 × | 30 × | 0.15 × | 0.25 = | 1.80 m³ | |
| | KNV Road R/S – | 2 × | 30 × | 0.15 × | 0.20 = | 1.36 m³ | |
| | | 2 × | 22.6 × | 0.15 × | 0.20 = | | |
| | | | | | | 62.07 | |

C&FC
19/1

Serial No. .....
Name of Work .....
Name of Contractor
Date of commence

| Date 1 | Full de |
|---|---|
| | KNV Road |
| | (4) provide cutting, where ever members shall not |

2542 01.11.10

T BOOK

| sions | | Contents | Reference to last Measurement |
|---|---|---|---|
| Breadth 5 | Depth 6 | 7 | 8 |
| | | = 333.00 m² | |
| 556.82 | | | Rs 21872=00 |
| wide as per specifications (only specifications and directions of ws | | | |
| 0) | | = 1880.00 m | |
| 32.02 | | | Rs 60198=00 |
| b / granite stone masonry etc, complete | | | |
| e work | | | |
| | | 333.00 m² | |
| 8.951.41 | | | Rs 316820=00 |
| concrete of mix 1:2:4 with cement | | | |
| te metal coarse aggregates @ | | | |
| mixed concrete laying layers not | | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259282

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Exceeding 15 cms thick, well compacted in foundation and plinth and cills, including cost of all materials, labour, tools & machinery, curing etc., complete as per specifications and directions of ws in charge of the work. | | | | | | |
| | 3rd floor, 1st main, Nanjappa Layout | 1 | 30 | 0.3 | 0.10 = | 0.90 m³ | |
| | | 1 | 30 | 0.3 | 0.10 = | 0.90 m³ | |
| | | 1 | 30 | 0.3 | 0.10 = | 0.90 m³ | |
| | | 1 | 30 | 0.3 | 0.10 = | 0.90 m³ | |
| | | 1 | 12 | 0.3 | 0.10 = | 0.36 m³ | |
| | | 1 | 18 | 0.3 | 0.10 = | 0.54 m³ | |
| | 1st main Rajamma garden | 1 | 30 | 0.3 | 0.10 = | 0.90 m³ | |
| | | 1 | 30 | 0.3 | 0.10 = | 0.90 m³ | |
| | | 1 | 30 | 0.3 | 0.10 = | 0.90 m³ | |

7.20

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | 7.20 | |
| 1 | 2 | 3 | 4 | 4 | 5 | 7 | 8 |
| | 1st stage KNV } – | 1 × | 30 × 0. | 3 × 0. | 10 = | 0.90m³ | |
| | | 1 × | 30 × 0. | 3 × 0. | 10 = | 0.90m³ | |
| | | 1 × | 30 × 0. | 3 × 0. | 10 = | 0.90m³ | |
| | | 1 × | 4 × 0. | 3 × 0. | 10 = | 0.12m³ | |
| | KNV Road RHS } – | 1 × | 30 × 0. | 3 × 0. | 10 = | 0.90m³ | |
| | | 1 × | 12 × 0. | 3 × 0. | 10 = | 0.36m³ | |
| | | 1 × | 30 × 0. | 45 × 0. | 10 = | 1.35m³ | |
| | Bed Concrete } – 1st main Ramamma garden } – | 1 × | 30 × 0. | 45 × 0. | 10 = | 1.35m³ | |
| | | 1 × | 30 × 0. | 45 × 0. | 10 = | 1.35m³ | |
| | | 1 × | 30 × 0. | 45 × 0. | 10 = | 1.35m³ | |
| | | 1 × | 30 × 0. | 45 × 0. | 10 = | 1.35m³ | |
| | 1st stage KNV – | 1 × | 30 × 0. | 45 × 0. | 10 = | 0.18m³ | |
| | | 1 × | 4 × 0. | 45 × 0. | 10 = | 1.35m³ | |
| | | 1 × | 30 × 0. | 45 × 0. | 10 = | | |
| | | | | | | 19.56 | |

2593 01.10

BOOK

| ns | | Contents | Reference to last Measurement |
|---|---|---|---|
| eadth 5 | Depth 6 | 7 | 8 |
| ×0.10 = | | 0.90m3 | |
| ×0.10 = | | 0.90m3 | |
| ×0.10 = | | 0.90m3 | |
| ×0.10 = | | 0.12m3 | |
| 3×0.10 = | | 0.90m3 | |
| 3×0.10 = | | 0.36m3 | |
| 45×0.10 = | | 1.35m3 | |
| 45×0.10 = | | 1.35m3 | |
| 45×0.10 = | | 1.35m3 | |
| 45×0.10 = | | 1.35m3 | |
| .45×0.10 = | | 1.35m3 | |
| 45×0.10 = | | 1.35m3 | |
| 45×0.10 = | | 0.18m3 | |
| 45×0.10 = | | 1.35m3 | |
| | | 19.56 | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259283

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

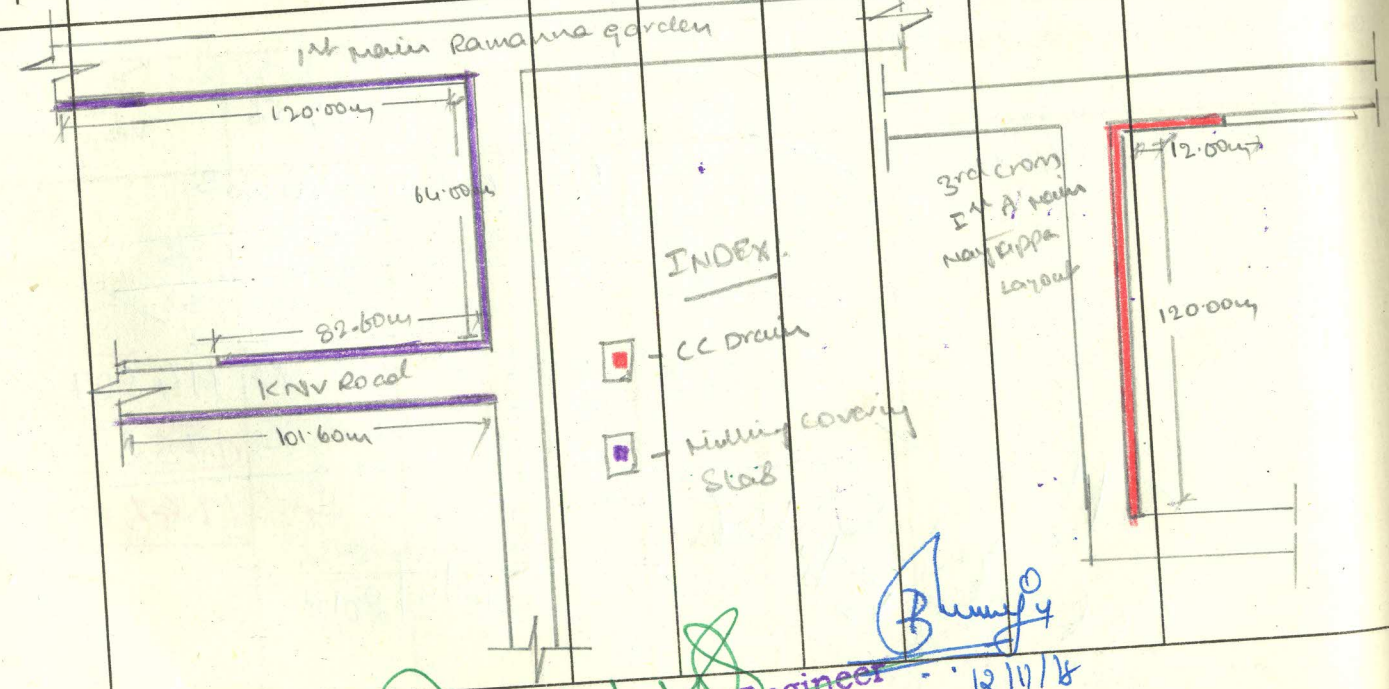
| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 19.56 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | KNU Road R/S – | 1× | 12×0.45× | | 0.10 = | 0.54m3 | |
| | | | KNU Road R/S } = | | | 20.10 m3 | |
| | i.e net Quantity | | | | = | 20.10m3 | |
| | | | @ Rs 5696.89 | | | Rs | 114507=00 |
| | | | Total | | | Rs | 1752014=00 |
| | | | | | | Rs. | 17,47,808-00 |
| | | | Bhuvy | | | | |
| | | | | | 12/11/2018 | | |

CAFC

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |




Assistant Executive Engineer
Sub Division

12/11/18

Serial No. .....
Name of Work .....
Name of Contracto
Date of commence

| Date | Full de |
|---|---|
| 1 | |

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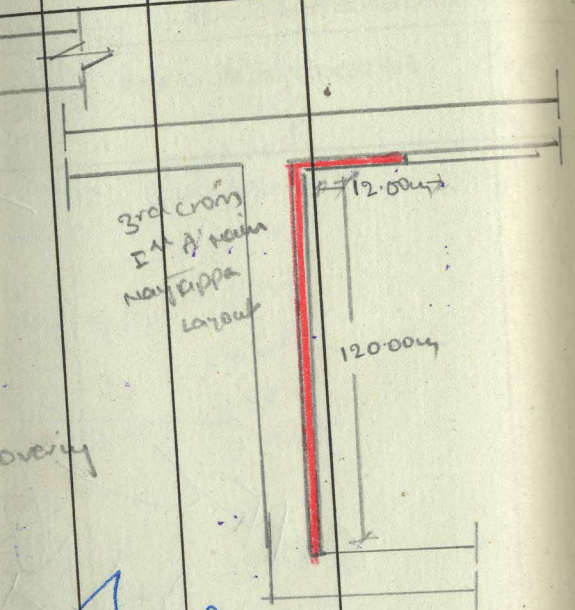
| dth | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|
| | | | |

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M. A. R. 57 (Rule 116)
Measurement Book

N

9284

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Audited & admitted for Rs 17,47,808-<br>Cheque Rs: 1576550-00 (Rupees Lakh Seventy six thousand five hundred fifty only)<br>Rs 171258-00 Overpayment<br>and Rs ..... Dy Chief<br>Acctn. Supdt 19/12<br>Dy Chief Accounts Officer 19/12<br>Supdt 19/12 | | | Total | Rs: 17,47,808-00 | | |
| | | | | | IT- | 17478-00 | |
| | | | | | Cess- | 17478-00 | |
| | | | | | CBF- | 1748-00 | |
| | | | | | LR- | 15954-00 | |
| | | | | | FSD- | 87390-00 | |
| | | | | | CGST- | 15605-00 | |
| | | | | | SGST- | 15605-00 | |
| | | | | | Adj. | 171258-00 | |
| | | | | | Cheque | 15,76,550-00 | |